

WARREN CHARLES BODEKER, A CITIZEN OF U.S.A.

8594 HIWAY 200

PLAINS, MONTANA 59859

TITLE OF INVENTION

WEEDEVADER

CROSS-REFERENCE TO RELATED APPLICATIONS (NOT APPLICABLE)

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR
DEVELOPMENT (NOT APPLICABLE)

REFERENCE TO SEQUENCE LISTING, A TABLE, OR A COMPUTER PROGRAM
LISTING COMPACT DISK APPENDIX (NOT APPLICABLE)

BACKGROUND OF THE INVENTION

It is generally the assumption that all garden weeding must include bending over, kneeling, backache, and pain. Thus the consistent goal of mankind has been to invent tools to eliminate hard work and pain. Much has been achieved in many fields of labor, yet we are still in the Stone Age when it involves gardening or landscaping. Now, at last,

there is a tool (a soil invading disk) that attaches to power-driven implements so you can standup and weed most areas around the house and garden. This new tool provides shallow soil invasion in very close to plants eliminating most weeds. The design of the tool is basically a flat disk that rotates parallel with the ground and has protruding lugs that invade the soil. When attached to a power-driven implement this tool eliminates most bending and kneeling while weeding. The goal of this invention is to keep a garden almost weed free, stop the pain and labor currently associated with gardening, control the depth of soil invasion, have a minimum of soil and plant disturbance, conserve water and minerals, encourage the use of battery powered implements to reduce air and noise pollution, and to open gardening to the elderly and infirm.

BRIEF SUMMARY OF THE INVENTION

The subject invention is a disk-shaped tool for garden weeding. This tool may be attached to various existing power-driven implements or to its own custom-designed implements (not part of this invention).

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

Fig. 1 is a top view of the disk. Line 10 is the disk. Line 16 is the center hole for attaching disk to power-driven implement. Line 20 is the open hole left when lugs are punched out to protrude on the underside of the disk. Fig. 2 is a side view of the disk. Line 10 is the disk. Line 14 is the protruding lugs. Line 18 is the alternate shaft for attaching the disk to a power-driven implement. Fig. 3 is another view of the disk showing the lugs Line 14.

DETAILED DESCRIPTION OF THE INVENTION

The invention consists of a round thin flat piece of metal, referred to as the disk, which may be punch-pressed, disk, lugs, and mounting hole complete in a single operation.

Being flat, thin and round, the disk has a tendency to float on the surface of the soil. By installing lugs on one side of the disk to protrude into the ground and invade or dig in the soil surface as the disk rotates parallel to the ground. The disk tool only digs to the depth of the lug length. The disk may be of various diameter and lugs of various length and shape, depending on the weeding/aerating situation. Standard lug length is 1-1/8 inch long for shallow soil penetration. Alternate mounting shaft, Line 18 (Figs 2 and 3) will vary according to the different mounting requirements of the various manufactures of power implements (not part of this invention).

This weevader disk brings garden weeding out of the Dark Ages of hand weeding and rototilling into the 21st Century by letting the power implements evade most garden weeding and replacing most garden weeding hand tools.

OLD INVENTIONS: Various styles of hoes which cut weeds off (very laborious).

Rototillers—rototilling buries seed on soil surface into the ground to come up in later years and digs up seeds buried in the ground from prior rototilling; a never ending process.

This weevader disk is designed to use various power implements to prevent weeds from getting established in gardens and landscapes by using before planting and after plants have started to grow. It invades garden soil by the lugs on the underside of the

disk. The disk floats on the soil surface. Soil penetration is limited by the length of the lugs and will not bring weed seed to the surface or light to sprout and grow and will eliminate new growth of weeds if used on a regular basis.